

Abarna_day8

```
#include <stdio.h>
#include <math.h>
int main()
{
float a,b,c, discriminant,root1,root2;
printf("Enter a :");
scanf("%f",&a);
printf("Enter b :");
scanf("%f",&b);
printf("Enter c :");
scanf("%f",&c);

discriminant=b*b-4*a*c;
if(discriminant>=0)
{
root1= (-b+sqrt(discriminant)) / (2*a);
root2= (-b-sqrt(discriminant)) / (2*a);
if(root1 == root2)
printf("root1 == root2 = %0.2f",root1);
else
{
printf("root1 = %0.2f\n",root1);
printf("root2 = %0.2f\n",root2);
}
}
else
printf("Error : Discriminant is negative or Invalid");
return 1;
}
```